



biology



an Open Access Journal by MDPI

Ecological Regulation of Forest and Grassland Pests

Guest Editors:

Prof. Dr. Dun Wang

College of Plant Protection,
Northwest A&F University,
Yangling 712100, China

Dr. Liangjian Qu

Ecology and Nature Conservation
Institute, Chinese Academy of
Forestry, Beijing 100091, China

Deadline for manuscript
submissions:

31 July 2026

Message from the Guest Editors

Dear Colleagues,

Forest and grassland are the most important nature component, playing an important role in balancing the whole ecosystem. Forest and grassland pests cause huge losses can affect the whole ecosystem; however, the situation might worsen with the application of chemical pesticides to control them. Therefore, controlling forest and grassland pests by means of ecological regulation is expected to maintain a healthy ecosystem.

The scope of this Special Issue includes the ecological regulation of forest and grassland pests via sustainable IPM, chemical ecology, biological control, biotechnology, biodiversity and pest control, forest management, AI-based control, and other modern approaches. The topics of pure chemical pesticides or chemically based IPM have been excluded.

We look forward to receiving your contributions.



mdpi.com/si/208313

Special Issue



an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Jukka Finne

Research Programme in
Molecular and Integrative
Biosciences, Faculty of Biological
and Environmental Sciences,
University of Helsinki, P.O. Box
56, FI-00014 Helsinki, Finland

Prof. Dr. Andrés Moya

Integrative Systems Biology
Institute, University of Valencia
and CSIC, 46980 Valencia, Spain

Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Biology) / CiteScore - Q1 (General Agricultural and Biological Sciences)

Contact Us

Biology Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/biology
biology@mdpi.com
[X@Biology_MDPI](https://twitter.com/Biology_MDPI)